



Cat[®] M315

Wheeled Excavator

The Cat[®] M315 Wheeled Excavator provides top performance to get the job done faster. Save time and money with low maintenance costs, longer service intervals, and 100 percent daily ground level maintenance. The compact radius design makes it easy to work in space restricted environments. The M315 gives you the power to work longer while putting money in your pocket.

Not all features are available in all regions. Consult your Cat dealer for specific configurations available in your region.

High Performance with Lower Fuel Consumption

- The Cat[®] C4.4 engine matches to your performance and production needs. The engine meets U.S. EPA Tier 4 Final and EU Stage V emission standards.
- Use up to 5 percent less fuel consumption over the M315F.
- Work confidently in space-restricted areas. Dig, swing, and dump within a tight working space.
- Travel more easily between sites with travel speeds up to 35 kph (21.7 mph).
- From dirt to asphalt, the excavator matches your needs to get the job done in a timely, efficient manner.
- The advanced hydraulic system provides the optimum balance of power and efficiency while giving you the control you need for precise working requirements.
- With up to 10 percent more swing torque, you can get the job done faster to move on to the next one. The dedicated swing pump provides consistent power for better multitasking capabilities.
- Auxiliary hydraulic options give you the versatility to use a wide range of Cat attachments.
- Don't let the temperature stop you from working. The excavator has a standard high-ambient temperature capability of 52°C (125°F) and cold start capability of -18°C (0°F).

Work in Comfort

- Choose between Deluxe and Premium cab options.
- The Deluxe seat is heated and air adjustable while the Premium seat is heated, ventilated, and adjusts automatically.
- Tip-up left console makes it easier to get in and out of the cab.
- Feel more comfortable in the cab while you work with reduced cab vibrations from advanced viscous mounts.
- Control the excavator comfortably with easy-to-reach controls, all located in front of you.
- Stow your gear with plenty of in-cab storage beneath and behind the seat, overhead, and in the consoles. A cup holder, bottle holder, and coat hook are also provided.
- Bluetooth[®] integrated radio allows for seamless mobile phone connection to listen to music, podcasts, and hands-free calling.
- Easily adjust the climate control system using the touchscreen monitor or jog dial.

Lower Maintenance Costs

- Quickly check and service your machine with all daily maintenance points accessible from ground level.
- Check the engine oil level quickly and safely from the ground.
- Save up to 10 percent in maintenance parts with the new, longer lasting filters.
- Track your machine's filter life and maintenance intervals on the in-cab monitor.
- Two levels of fuel filtration protect the engine from fuel contamination.
- The new hydraulic oil filter provides improved filtration performance, anti-drain valves to keep oil clean when the filter is replaced, and longer life with a 3,000-hour replacement interval – 50 percent longer than previous filter designs.
- Scheduled Oil Sampling (S-O-SSM) ports are located at ground level, simplifying maintenance, and allowing for quick, easy extraction of fluid samples for analysis.



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Simple to Operate

- Start the engine with the push-to-start button, a Bluetooth key fob, or the unique Operator ID function.
- Program your power mode and joystick preferences using Operator ID; the excavator remembers your settings each time you go to work.
- Navigate quickly on the standard high-resolution 254 mm (10 inch) touchscreen monitor or with the aid of the jog dial control.
- The auto axle lock presses the pedal for you to reduce your overall number of actions. The machine automatically detects when the service brake and axle need to be locked or unlocked. It releases automatically when you press the travel pedal.

Safety

- Access daily maintenance points from ground level.
- Keep your excavator secure with Operator ID. Use your PIN code on the monitor to enable the pushbutton starting feature.
- The standard ROPS cab meets ISO 12117-2:2008 requirements.
- Enlarged windows and improved machine layout increase visibility from the seat of the cab compared to the M315F. Rearview and side-view cameras are standard.
- The service platform design provides easy, safe, and quick access to the upper service platform; the service platform steps use anti-skid punch plate to prevent slipping.
- The standard hydraulic lockout lever isolates all hydraulic and travel functions in the lowered position.
- Swing lock prevents front linkage from moving as you travel.
- Ground-level shutoff switch stops all fuel to the engine when activated and shuts down the machine.

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional		Standard	Optional
CAB			BOOM AND STICKS		
ROPS, sound suppression	✓		5.2 m (17'1") variable adjustable boom	✓	
Deluxe cab		✓	2.2 m (7'3") stick		✓
Premium cab		✓	2.5 m (8'2") stick		✓
High-resolution 254 mm (10 in) LCD touchscreen monitor	✓		UNDERCARRIAGE AND STRUCTURES		
CAT TECHNOLOGY			10.00-20 16 PR, dual tires		✓
Cat Product Link™	✓		315/70R22.5, no gap dual tires		✓
Remote Flash/Troubleshoot capability	✓		445/70R 19.5, single tires		✓
ENGINE			Automatic brake/axle lock	✓	
Power mode selector	✓		4000 kg (8,820 lb) counterweight	✓	
One-touch low idle with auto engine speed control	✓		All wheel drive	✓	
Auto engine idle shutdown	✓		ELECTRICAL SYSTEM		
52°C (125°F) high-ambient cooling capacity	✓		LED lights on chassis (left-hand, right-hand) and counterweight	✓	
-18°C (0°F) cold start capability	✓		Programmable time-delay LED working lights	✓	
Double element air filter with integrated precleaner	✓		Roading and indicator lights, front and rear	✓	
Electric fuel priming pump	✓		Maintenance-free batteries	✓	
Biodiesel capability up to B20	✓		Centralized electrical disconnect switch	✓	
HYDRAULIC SYSTEM			Electrical refueling pump		✓
Automatic swing brake	✓		SERVICE AND MAINTENANCE		
Auto hydraulic oil warm up	✓		Sampling ports for Scheduled Oil Sampling (S-O-S)	✓	
Electronic main control valve	✓		Automatic lubrication system for implement and swing system		✓
Boom, stick, and bucket drift reduction valves	✓		SAFETY AND SECURITY		
1-slider joystick	✓		Rear- and right-side-view cameras	✓	
2-slider joystick		✓	360° visibility		✓
Second high-pressure auxiliary circuit (one/two-way high-pressure flow)		✓	Cat asset tracker		✓
Medium pressure auxiliary circuit (one/two-way medium-pressure flow)		✓	Wide angle mirrors	✓	
Heavy lift mode	✓		Ground-level engine shutoff switch	✓	
Quick coupler circuit		✓	Anti-skid plate and countersunk bolts on service platform	✓	
SmartBoom™		✓	Signaling/warning horn		✓
Ride control		✓			
Cat tiltrotator support		✓			
Joystick steering		✓			
Separate dedicated swing pump	✓				

Not all features are available in all regions. Please check with your local Cat dealer for specific offering availability in your area.

For additional information and additional regional offerings, refer to the Technical Specifications brochure available at www.cat.com or your Cat dealer.

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Technical Specifications

Engine		
Engine Model	C4.4	
Engine Power (ISO 14396:2002)	110 kW	148 hp
Net Power (ISO 9249:2007)	108 kW	145 hp
Bore	105 mm	4.1 in
Stroke	127 mm	5 in
Displacement	4.4 L	268.5 in ³

- Meets U.S. EPA Tier 4 Final and EU Stage V emission standards.
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- Net power advertised is the power available at the flywheel when engine is equipped with fan, air cleaner, CEM exhaust gas aftertreatment, alternator, and cooling fan running at intermediate speed.
- Recommended for use up to 3000 m (9,843 ft) altitude with engine power derate above 3000 m (9,843 ft).
- Rated speed 2,200 rpm.

Hydraulic System		
Main System – Maximum Flow – Implement	275 L/min	73 gal/min
Maximum Pressure – Heavy Lift	37 000 kPa	5,366 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Normal	35 000 kPa	5,076 psi

Swing Mechanism		
Swing Speed	9.1 rpm	
Maximum Swing Torque	41 kN-m	30,340 lb-ft

Machine Weight		
Operating Weight Minimum	15 700 kg	34,610 lb
Operating Weight Maximum	18 000 kg	39,680 lb

- Operating weight includes full fuel tank, operator, GD bucket and dual pneumatic tires. Weight varies depending on configuration.
- Typical configurations include 2.5 m stick and 4000 kg (8,820 lb) counterweight.

Service Refill Capacities		
Fuel Tank	280 L	74.0 gal
Diesel Exhaust Fluid (DEF)	20 L	5.3 gal
Cooling System	24 L	6.3 gal
Engine Oil	13 L	3.4 gal
Hydraulic Tank	90 L	23.8 gal
Hydraulic System (including tank)	220 L	58.1 gal

Transmission			
Forward/Reverse			
1st Gear	10 km/h	6.2 mph	
2nd Gear	35 km/h	21.7 mph	
Creeper Speed			
1st Gear	5.5 km/h	3.4 mph	
2nd Gear	15 km/h	9.3 mph	
Drawbar Pull		104 kN	23,380 lbf
Maximum Gradeability at (16 500 kg / 36,376 lb)			78%

Dimensions		
Boom	VA 5.2 m (17'1")	
Stick	2.5 m (8'2")	
Bucket	GD 0.76 m ³ (0.99 yd ³)	
Shipping Height (top of cab)	3280 mm	10'9"
Support Point	3310 mm	10'10"
Shipping Length	7880 mm	25'10"
Tail Swing Radius	1750 mm	5'9"
Counterweight Clearance	1260 mm	4'2"
Ground Clearance	440 mm	1'5"
Overall Undercarriage Length	4870 mm	16'0"
Wheel Base	2550 mm	8'4"

Working Ranges and Force		
Boom Type	VA 5.2 m (17'1")	
Stick	2.5 m (8'2")	
Bucket	GD 0.76 m ³ (0.99 yd ³)	
Maximum Loading Height	7680 mm	25'2"
Maximum Cutting Height	10 410 mm	34'2"
Maximum Digging Depth	5580 mm	18'4"
Maximum Reach at Ground Level	8980 mm	29'6"
Maximum Vertical Wall Digging Depth	4580 mm	15'0"

Air Conditioning System	
<ul style="list-style-type: none"> • The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.8 kg of refrigerant which has a CO₂ equivalent of 1.144 metric tonnes. 	

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com.

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